

[Compositions and methods containing natural compounds from nonconventional sources that are useful in maintaining normal blood sugar levels]

Abstract

The invention describes compositions and methods containing nonconventional plant materials, and more particularly the species *Flemingia macrophylla* and *Careya arborea*, that help to maintain normal blood sugar levels in humans and animals. The method of preparation of such compositions and methods of quantifying active principles therein are also described. A Metformin-like compound were found to be the active hypoglycemic principle in *Flemingia macrophylla* and *Careya arborea* root bark. The compositions of the invention were found to be safe for therapeutic use.